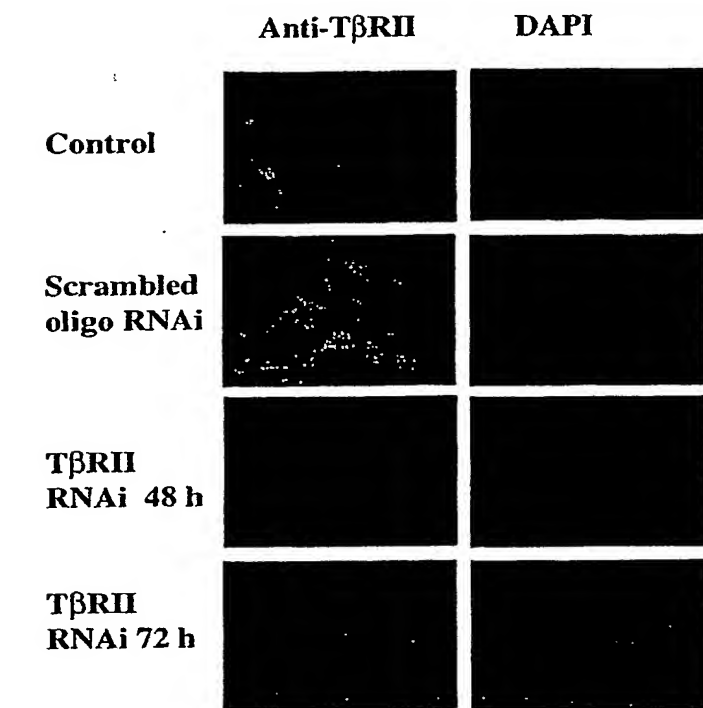
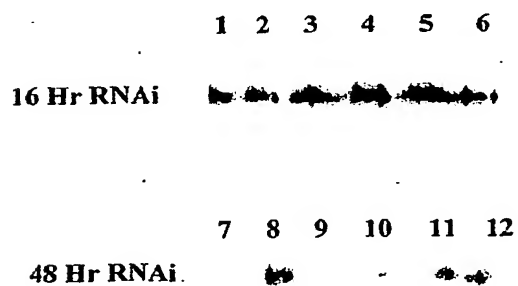


Figure 1**Inhibition of T β RII Expression by RNAi****Figure 2****Suppression of TGF β RII Expression by siRNA**

BEST AVAILABLE COPY

Figure 3A

Target sequence 1: AAGTCGGTTAATAACGACATG (SEQ ID NO: 13)

Position in gene sequence: 423

GC content: 38.1%

Sense strand siRNA: GUCGGUAAUAACGACAUGtt (SEQ ID NO: 14)

Antisense strand siRNA: CAUGUCGUUAUUAACCGACtt (SEQ ID NO: 15)

Target sequence 2: AACGACATGATAGTCACTGAC (SEQ ID NO: 16)

Position in gene sequence: 435

GC content: 42.9%

Sense strand siRNA: CGACAUGAUAGUCACUGACTt (SEQ ID NO: 17)

Antisense strand siRNA: GUCAGUGACUAUCAUGUCGtt (SEQ ID NO: 18)

Target sequence 3: AACACGGTGCAGTCAAGTTT (SEQ ID NO: 19)

Position in gene sequence: 456

GC content: 42.9%

Sense strand siRNA: CAACGGUGCAGUCAAGUUUtt (SEQ ID NO: 20)

Antisense strand siRNA: AAACUUGACUGCACCUGUUGtt (SEQ ID NO: 21)

Target sequence 4: AACGGTGCAGTCAAGTTTCCA (SEQ ID NO: 22)

Position in gene sequence: 459

GC content: 47.6%

Sense strand siRNA: CGGUGCAGUCAAGUUUCCAtt (SEQ ID NO: 23)

Antisense strand siRNA: UGGAAACUUGACUGCACCAGtt (SEQ ID NO: 24)

Target sequence 5: AAGTTTCCACAACACTGTGTAAA (SEQ ID NO: 25)

Position in gene sequence: 471

GC content: 33.3%

Sense strand siRNA: GUUUCCACAACUGUGUAAAtt (SEQ ID NO: 26)

Antisense strand siRNA: UUUACACAGUUGUGGAAActt (SEQ ID NO: 27)

Target sequence 6: AAATCCTGCATGAGCAACTGC (SEQ ID NO: 28)

Position in gene sequence: 528

GC content: 47.6%

Sense strand siRNA: AUCCUGCAUGAGCAACUGCtt (SEQ ID NO: 29)

Antisense strand siRNA: GCAGUUGCUCUAGCAGGAUtt (SEQ ID NO: 30)

Target sequence 7: AAGTCTGTGTGGCTGTATGGA (SEQ ID NO: 31)

Position in gene sequence: 580

GC content: 47.6%

Sense strand siRNA: GUCUGUGUGGCUGUAUGGAtt (SEQ ID NO: 32)

Antisense strand siRNA: UCCAUACAGCCACACAGACTt (SEQ ID NO: 33)

Target sequence 8: AAAGAATGACGAGAACATAAC (SEQ ID NO: 34)

Position in gene sequence: 602

GC content: 33.3%

Sense strand siRNA: AGAAUGACGAGAACAUAACTt (SEQ ID NO: 35)

Antisense strand siRNA: GUUAUGUUCUCGUCAUUCUtt (SEQ ID NO: 36)

Figure 3B

Target sequence 9: AATGACGAGAACATAACACTA (SEQ ID NO: 37)

Position in gene sequence: 606

GC content: 33.3%

Sense strand siRNA: UGACGAGAACAUAAACACUatt (SEQ ID NO: 38)

Antisense strand siRNA: UAGUGUUAUGUUCUCGUCatt (SEQ ID NO: 39)

Target sequence 10: AACATAACACTAGAGACAGTT (SEQ ID NO: 40)

Position in gene sequence: 615

GC content: 33.3%

Sense strand siRNA: CAUAAACACUAGAGACAGUtt (SEQ ID NO: 41)

Antisense strand siRNA: AACUGUCUCUAGUGUUAUGtt (SEQ ID NO: 42)

Target sequence 11: AACACTAGAGACAGTTTGCCA (SEQ ID NO: 43)

Position in gene sequence: 620

GC content: 42.9%

Sense strand siRNA: CACUAGAGACAGUUUGCCatt (SEQ ID NO: 44)

Antisense strand siRNA: UGGCAAACUGUCUCUAGUGtt (SEQ ID NO: 45)

Target sequence 12: AAGATGCTGCTTCTCAAAGT (SEQ ID NO: 46)

Position in gene sequence: 676

GC content: 42.9%

Sense strand siRNA: GAUGCUGCUUCUCCAAAGUtt (SEQ ID NO: 47)

Antisense strand siRNA: ACUUUGGAGAAGCAGCAUctt (SEQ ID NO: 48)

Target sequence 13: AAGCCTGGTGAGACTTCTTC (SEQ ID NO: 49)

Position in gene sequence: 717

GC content: 47.6%

Sense strand siRNA: GCCUGGUGAGACUUUCUUCtt (SEQ ID NO: 50)

Antisense strand siRNA: GAAGAAAGUCUCACCAGGctt (SEQ ID NO: 51)

Target sequence 14: AATGACAACATCATCTTCTCA (SEQ ID NO: 52)

Position in gene sequence: 765

GC content: 33.3%

Sense strand siRNA: UGACAACAUCAUCUUCUCatt (SEQ ID NO: 53)

Antisense strand siRNA: UGAGAAGAUGAUGUUGUCatt (SEQ ID NO: 54)

Target sequence 15: AACATCATCTTCTCAGAAGAA (SEQ ID NO: 55)

Position in gene sequence: 771

GC content: 33.3%

Sense strand siRNA: CAUCAUCUUCUCAGAAGAAtt (SEQ ID NO: 56)

Antisense strand siRNA: UUCUUCUGAGAAGAUGAUGtt (SEQ ID NO: 57)

Figure 3C

Target sequence 16: AAGAATATAACACCAGCAATC (SEQ ID NO: 157)

Position in gene sequence: 787

GC content: 33.3%

Sense strand siRNA: GAAUAUAACACCAGCAAUctt (SEQ ID NO: 58)

Antisense strand siRNA: GAUUGCUGGUGUUAUAUctt (SEQ ID NO: 59)

Target sequence 17: AATATAACACCAGCAATCCTG (SEQ ID NO: 60)

Position in gene sequence: 790

GC content: 38.1%

Sense strand siRNA: UUAACACCAGCAAUCCUGtt (SEQ ID NO: 61)

Antisense strand siRNA: CAGGAUUGCUGGUGUUAUAtt (SEQ ID NO: 62)

Target sequence 18: AACACCAGCAATCCTGACTTG (SEQ ID NO: 63)

Position in gene sequence: 795

GC content: 47.6%

Sense strand siRNA: CACCAGCAAUCCUGACUUGtt (SEQ ID NO: 64)

Antisense strand siRNA: CAAGUCAGGAUUGCUGGUGtt (SEQ ID NO: 65)

Target sequence 19: AATCCTGACTTGTTGCTAGTC (SEQ ID NO: 66)

Position in gene sequence: 804

GC content: 42.9%

Sense strand siRNA: UCCUGACUUGUUGCUAGUctt (SEQ ID NO: 67)

Antisense strand siRNA: GACUAGCAACAAGUCAGGAtt (SEQ ID NO: 68)

Target sequence 20: AAGCTGAGTTCAACCTGGGAA (SEQ ID NO: 69)

Position in gene sequence: 921

GC content: 47.6%

Sense strand siRNA: GCUGAGUUAACCUUGGGAAtt (SEQ ID NO: 70)

Antisense strand siRNA: UUCCCAGGUUGAACUCAGctt (SEQ ID NO: 71)

Target sequence 21: AAGATGACCGCTCTGACATCA (SEQ ID NO: 72)

Position in gene sequence: 997

GC content: 47.6%

Sense strand siRNA: GAUGACCGCUCUGACAUCAtt (SEQ ID NO: 73)

Antisense strand siRNA: UGAUGUCAGAGCGGUCAUctt (SEQ ID NO: 74)

Target sequence 22: AACAAATCAACCACAACACA (SEQ ID NO: 75)

Position in gene sequence: 1032

GC content: 38.1%

Sense strand siRNA: CAACAUCAACCACAACACAtt (SEQ ID NO: 76)

Antisense strand siRNA: UGUGUUGUGGUUGAUGUUGtt (SEQ ID NO: 77)

Figure 3D

Target sequence 23: AACATCAACCACAACACAGAG (SEQ ID NO: 78)

Position in gene sequence: 1035

GC content: 42.9%

Sense strand siRNA: CAUCAACCACAACACAGAGtt (SEQ ID NO: 79)

Antisense strand siRNA: CUCUGUGUUGUGGUUGAUGtt (SEQ ID NO: 80)

Target sequence 24: AAGCTGAAGCAGAACACTTCA (SEQ ID NO: 81)

Position in gene sequence: 1119

GC content: 42.9%

Sense strand siRNA: GCUGAAGCAGAACACUUCAtt (SEQ ID NO: 81)

Antisense strand siRNA: UGAAGUGUUCUGCUUCAGCtt (SEQ ID NO: 82)

Target sequence 25: AAGCAGAACACTTCAGAGCAG (SEQ ID NO: 83)

Position in gene sequence: 1125

GC content: 47.6%

Sense strand siRNA: GCAGAACACUUCAGAGCAGtt (SEQ ID NO: 84)

Antisense strand siRNA: CUGCUCUGAAGUGUUCUGCtt (SEQ ID NO: 85)

Target sequence 26: AACACTTCAGAGCAGTTTGAG (SEQ ID NO: 86)

Position in gene sequence: 1131

GC content: 42.9%

Sense strand siRNA: CACUUCAGAGCAGUUGAGtt (SEQ ID NO: 87)

Antisense strand siRNA: CUCAAACUGCUCUGAAGUGtt (SEQ ID NO: 88)

Target sequence 27: AAGATCTTCCCTATGAGGAG (SEQ ID NO: 89)

Position in gene sequence: 1164

GC content: 42.9%

Sense strand siRNA: GAUCUUUCCCUAUGAGGAGtt (SEQ ID NO: 90)

Antisense strand siRNA: CUCCUCAUAGGGAAAGAUCtt (SEQ ID NO: 91)

Target sequence 28: AAGACAGAGAAGGACATCTTC (SEQ ID NO: 92)

Position in gene sequence: 1197

GC content: 42.9%

Sense strand siRNA: GACAGAGAAGGACAUCUUCtt (SEQ ID NO: 93)

Antisense strand siRNA: GAAGAUGUCCUUCUCUGUCtt (SEQ ID NO: 94)

Target sequence 29: AAGGACATCTTCTCAGACATC (SEQ ID NO: 95)

Position in gene sequence: 1206

GC content: 42.9%

Sense strand siRNA: GGACAUCUUCUCAGACAUCtt (SEQ ID NO: 96)

Antisense strand siRNA: GAUGUCUGAGAAGAUGUCtt (SEQ ID NO: 97)

Figure 3E

Target sequence 30: AATCTGAAGCATGAGAACATA (SEQ ID NO: 98)

Position in gene sequence: 1227

GC content: 33.3%

Sense strand siRNA: UCUGAAGCAUGAGAACAUAtt (SEQ ID NO: 99)

Antisense strand siRNA: UAUGUUCUCAUGCUUCAGAtt (SEQ ID NO: 100)

Target sequence 31: AAGCATGAGAACATACTCCAG (SEQ ID NO: 158)

Position in gene sequence: 1233

GC content: 42.9%

Sense strand siRNA: GCAUGAGAACAUACUCCAGtt (SEQ ID NO: 101)

Antisense strand siRNA: CUGGAGUAUGUUCUCAUGCtt (SEQ ID NO: 102)

Target sequence 32: AACATACTCCAGTTCCTGACG (SEQ ID NO: 103)

Position in gene sequence: 1242

GC content: 47.6%

Sense strand siRNA: CAUACUCCAGUUCUGACGtt (SEQ ID NO: 104)

Antisense strand siRNA: CGUCAGGAACUGGAGUAUGtt (SEQ ID NO: 105)

Target sequence 33: AAGACGGAGTTGGGGAAACAA (SEQ ID NO: 106)

Position in gene sequence: 1275

GC content: 47.6%

Sense strand siRNA: GACGGAGUUGGGGAAACAAtt (SEQ ID NO: 107)

Antisense strand siRNA: UUGUUUCCCCAACUCCGUctt (SEQ ID NO: 108)

Target sequence 34: AAACAATACTGGCTGATCACC (SEQ ID NO: 109)

Position in gene sequence: 1290

GC content: 42.9%

Sense strand siRNA: ACAAUACUGGCUGAUCACctt (SEQ ID NO: 110)

Antisense strand siRNA: GGUGAUCAGCCAGUAUUGUtt (SEQ ID NO: 111)

Target sequence 35: AAGAGCTCCAATATCCTCGTG (SEQ ID NO: 112)

Position in gene sequence: 1476

GC content: 47.6%

Sense strand siRNA: GAGCUCCAUAUCCUCGUGtt (SEQ ID NO: 113)

Antisense strand siRNA: CACGAGGAUAUUGGAGCUctt (SEQ ID NO: 114)

Target sequence 36: AATATCCTCGTGAAGAACGAC (SEQ ID NO: 115)

Position in gene sequence: 1485

GC content: 42.9%

Sense strand siRNA: UAUCCUCGUGAAGAACGACTt (SEQ ID NO: 116)

Antisense strand siRNA: GUCGUUCUUCACGAGGAUAtt (SEQ ID NO: 117)

Figure 3F

Target sequence 37: AACTGCAAGATACATGGCTCC (SEQ ID NO: 118)

Position in gene sequence: 1595

GC content: 47.6%

Sense strand siRNA: CUGCAAGAUACAUGGCUCctt (SEQ ID NO: 119)

Antisense strand siRNA: GGAGCCAUGUAUCUUGCAGtt (SEQ ID NO: 120)

Target sequence 38: AAGATACATGGCTCCAGAAGT (SEQ ID NO: 121)

Position in gene sequence: 1601

GC content: 42.9%

Sense strand siRNA: GAUACAUGGCUCCAGAAGUtt (SEQ ID NO: 122)

Antisense strand siRNA: ACUUCUGGAGCCAUGUAUCtt (SEQ ID NO: 123)

Target sequence 39: AAGTCCTAGAATCCAGGATGA (SEQ ID NO: 124)

Position in gene sequence: 1618

GC content: 42.9%

Sense strand siRNA: GUCCUAGAAUCCAGGAUGAtt (SEQ ID NO: 125)

Antisense strand siRNA: UCAUCCUGGAUUCUAGGACtt (SEQ ID NO: 126)

Target sequence 40: AATCCAGGATGAATTGGAGA (SEQ ID NO: 127)

Position in gene sequence: 1627

GC content: 38.1%

Sense strand siRNA: UCCAGGAUGAAUUUGGAGAtt (SEQ ID NO: 128)

Antisense strand siRNA: UCUCCAAAUUAUCCUGGAtt (SEQ ID NO: 129)

Target sequence 41: AATTGGAGAATGCTGAGTCC (SEQ ID NO: 130)

Position in gene sequence: 1638

GC content: 42.9%

Sense strand siRNA: UUUGGAGAAUGCUGAGUCctt (SEQ ID NO: 131)

Antisense strand siRNA: GGACUCAGCAUUCUCCAAAtt (SEQ ID NO: 132)

Target sequence 42: AATGCTGAGTCCTCAAGCAG (SEQ ID NO: 133)

Position in gene sequence: 1647

GC content: 47.6%

Sense strand siRNA: UGCUGAGUCCUUAAGCAGtt (SEQ ID NO: 134)

Antisense strand siRNA: CUGCUUGAAGGACUCAGCAtt (SEQ ID NO: 135)

Target sequence 43: AAATGACATCTCGCTGTAATG (SEQ ID NO: 136)

Position in gene sequence: 1702

GC content: 38.1%

Sense strand siRNA: AUGACAUCUCGCUGUAAUGtt (SEQ ID NO: 137)

Antisense strand siRNA: CAUUACAGCGAGAUGUCAUtt (SEQ ID NO: 138)

Figure 3G

Target sequence 44: AATGCACTGGGAGAAGTAAAA (SEQ ID NO: 139)

Position in gene sequence: 1719

GC content: 38.1%

Sense strand siRNA: UGCAGUGGGAGAAGUAAAAtt (SEQ ID NO: 140)

Antisense strand siRNA: UUUUACUUCUCCACUGCAtt (SEQ ID NO: 141)

Target sequence 45: AAGATTATGAGCCTCCATTG (SEQ ID NO: 142)

Position in gene sequence: 1738

GC content: 38.1%

Sense strand siRNA: GAUUAUGAGCCUCCAUUUGtt (SEQ ID NO: 143)

Antisense strand siRNA: CAAUGGAGGCUCAUAAUctt (SEQ ID NO: 144)

Target sequence 46: AAAGCATGAAGGACAACGTGT (SEQ ID NO: 145)

Position in gene sequence: 1789

GC content: 42.9%

Sense strand siRNA: AGCAUGAAGGACAACGUGUtt (SEQ ID NO: 146)

Antisense strand siRNA: ACACGUUGUCCUUAUGCUtt (SEQ ID NO: 147)

Target sequence 47: AAGGACAACGTGTGAGAGAT (SEQ ID NO: 148)

Position in gene sequence: 1797

GC content: 42.9%

Sense strand siRNA: GGACAACGUGUUGAGAGAUtt (SEQ ID NO: 149)

Antisense strand siRNA: AUCUCUCAACACGUUGUCtt (SEQ ID NO: 150)

Target sequence 48: AAATCCCAGCTTCTGGCTCA (SEQ ID NO: 151)

Position in gene sequence: 1831

GC content: 47.6%

Sense strand siRNA: AUUCCCAGCUUCUGGCUCAtt (SEQ ID NO: 152)

Antisense strand siRNA: UGAGCCAGAAGCUGGGAAUtt (SEQ ID NO: 153)

Target sequence 49: AAGACGGCTCCCTAAACACTA (SEQ ID NO: 154)

Position in gene sequence: 2011

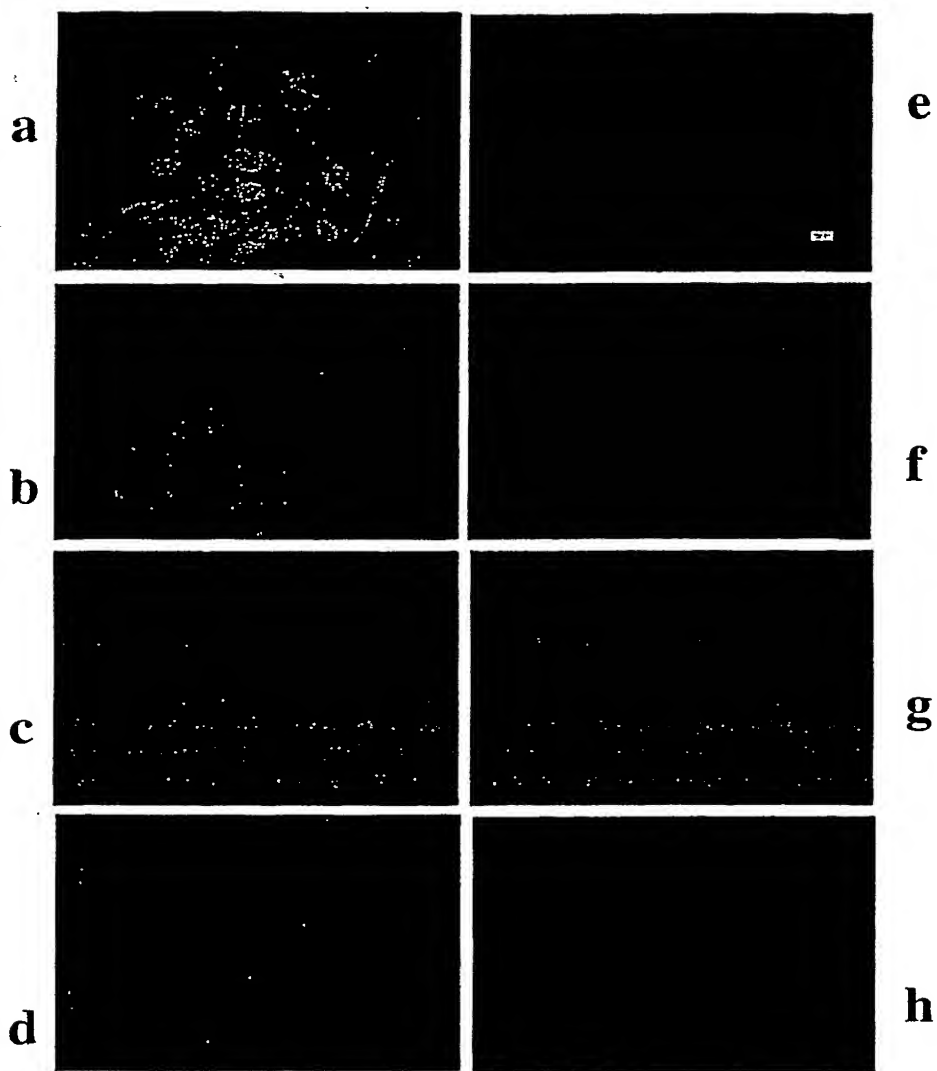
GC content: 47.6%

Sense strand siRNA: GACGGCUCCCUAAACACUAtt (SEQ ID NO: 155)

Antisense strand siRNA: UAGUGUUUAGGGAGCCGUctt (SEQ ID NO: 156)

Fig. 4

T β RII **DAPI**



**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☒ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☒ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.